

Claims

1. An arrangement for reducing transmitting end losses in a radio apparatus which comprises a receiver and at least one transmitter which, when the apparatus is being used, are occasionally simultaneously in signal transfer state, the arrangement comprising a radio-frequency power amplifier, a first antenna filter at said transmitting end and an antenna; the arrangement further comprising at the transmitting end at least a second antenna filter the stop-band attenuation of which in the operating band of the receiver differs substantially from that of the first antenna filter in the operating band of the receiver, and switches to form a transmitting end filter of said antenna filters.
2. An arrangement according to claim 1, said switches being MEMS switches.
3. An arrangement according to claim 1, said switches being arranged to form the transmitting end filter using that one of first and second antenna filters which has a lower stop-band attenuation, when the receiver is in passive state.
4. An arrangement according to claim 1, said switches being arranged to include in the transmitting-end filter that one of first and second antenna filters which has a higher stop-band attenuation only when the receiver is in receive state.
5. An arrangement according to claims 3 and 4, the antenna filter of said antenna filters which has a lower stop-band attenuation being a low-pass-type filter and the one with a higher stop-band attenuation being a band-pass filter.
6. An arrangement according to claim 5, said transmitting end filter being the band-pass filter when the receiver is in receive state.
7. An arrangement according to claim 5, said transmitting end filter being a series connection of the low-pass-type filter and the band-pass filter when the receiver is in receive state.
8. An arrangement according to claim 1, at the transmitting end of the radio apparatus being in addition to the first and second antenna filters at least one band-pass filter, any one of which filters can be connected as the transmitting end filter by means of said switches.
9. An arrangement according to claim 1, said transmitter being one that operates at a frequency above 1.7 GHz and the receiver is a GPS receiver.

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